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IPC 7 C12N9/88 C12P7/42 C12N15/60 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) C12N C12P Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, BIOSIS, PAJ, EMBASE, Sequence Search, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category ° Relevant to claim No. X DATABASE EMBL 'Online! 1,2, EBI; 1 October 2002 (2002-10-01). 4-10 "4-hydroxy-2-oxoglutarate 12-15 aldolase/2-dehydro-3-deoxyphosphogluconate aldolase (dgoA)" XP002317419 retrieved from EMBL accession no. Q8PLM9 see sequence -& DA SILVA A C R ET AL: "Comparison of the genomes of two Xanthomonas pathogens with differing host specificities" NATURE (LONDON), vol. 417, no. 6887, 23 May 2002 (2002-05-23), pages 459-463, XP002317414 ISSN: 0028-0836 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. ° Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-\*O\* document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled \*P\* document published prior to the international filing date but later than the priority date claimed \*&\* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 11 February 2005 09/03/2005 Name and mailing address of the ISA Authorized officer

Bassias, I

European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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| Вох | No. I | N                | ucleotide and/o   | or amino acio                     | sequence(s        | s) (Continuati    | ion of item 1.  | .b of the first   | sheet)         |                              |
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| 1.  | With  | regard           | I to any nucleotide<br>ne international se  | and/or amino a<br>arch was carrie | acid sequence o   | disclosed in the  | international a | pplication and i  | necessary to   | the claimed                  |
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